

gcggccgcccgtacggccATGAAAAAGACAGCTATCGCGATTGCAGTGGCACTGGCTGGTT  
TCGCTACCGTAGCGCAGGCCGAAGTTAACTGCATGAGTCAGGGCCTGGGCTGGTAAGGC  
CTGGGACTTCAGTGAAGATATCCTGCAAGGCTTCTGGCTACACCTTCACTAACTACTGGC  
TAGGTTGGGTAAAGCAGAGGCCTGGACATGGACTTGAGTGGATTGGAGATATTTACCCTG  
GAGGTGGTTATACTAACTACAATGAGAAGTTCAAGGGCAAGGCCACACTGACTGCAGACA  
CATCCTCCAGCACTGCCTACATGCAGCTCAGTAGCCTGACATCTGAGGACTCTGCTGTCT  
ATTTCTGTGCAAGATTTTACTACGGTAGTAGCTACTGGTACTTCGATGTCTGGGGCCAAG  
GCACCACGGTCACCGTCTCCTCAGCAAAGACCACTCCTCCGTCTGTTTACCCTCTGGCTC  
CTGGTTCTGCGGCTCAGACTAACTCTATGGTGA CTCTGGGATGCCTGGTCAAGGGCTATT  
TCCCTGAGCCAGTGACAGTGACCTGGA ACTCTGGATCCCTGTCCAGCGGTGTGCACACCT  
TCCCAGCTGTCCTGCAATCTGACCTCTACACTCTGAGCAGCTCAGTGACTGTCCCCTCCA  
GCACCTGGCCCAGCGAGACCGTCACCTGCAACGTTGCCACCCGGCTTCTAGCACCAAAG  
TTGACAAGAAAATCGTACCGCGCGACTGCTAAccgtagtaagaaaaacttagggtgaaag  
ttcatcgggcccgtacggccATGAAACAAAGCACTATTGCACTGGCACTCTTACCGTTAC  
TGTTTACCCTGTGACAAAAGCCGACATCGAGCTCACCCAGTCTCCAGCAATCATGGCTG  
CATCTGTGGGAGAACTGTCACCATCACATGTGGAGCAAGTGAGAATATTTACGGTGCTT  
TAAATTGGTATCAGCGGAAACAGGGAAAATCTCCTCAGCTCCTGATCTATGGTGCAACCA  
ACTTGGCAGATGGCATGT CATCGAGGTTCA GTGGCAGTGGATCTGGTAGACAGTATTCTC  
TCAAGATCAGTAGCCTGCATCCTGACGATGTTGCAACGTATTACTGTCAAAATGTGTTAA  
GTA CTCTCGGACGTTTCGGAGCTGGGACCAAGCTCGAGCTGAAGCGCGCTGATGCTGCAC  
CGACTGTATCCATCTTCCCACCATCCAGTGAGCAGTTAACATCTGGAGGTGCCTCAGTCG  
TGTGCTTCTTGAACAACTTCTACCCCAAAGACATCAATGTCAAGTGGAAGATTGATGGCA  
GTGAACGACAAAATGGCGTCCTGAACAGTTGGACTGATCAGGACAGCAAAGACAGCACCT  
ACAGCATGAGCAGCACCTCACGTTGACCAAGGACGAGTATGAACGACATAACAGCTATA  
CCTGTGAGGCCACTCACAAGACATCAACTTACCCATTGTCAAGAGCTTCAACAGGAATG  
AGTGTTAGtccgtagtaagaaaaacttagggtgaaagttcatcgggccc

FIG. 1

SYN80 F1:	CGGAATTCGGGGCCCGCTACGGCCATGAAAAGACAGCTATCGCGATTGCAGTGGCACTGGCTGGTT	(SEQ ID NO:12)
SYN80 F2:	TGCAGTGGCACTGGCTGGTTTCGCTACCGTAGCGGAGCCGAAGTTAACTGCATGAGTCAGGCGCTGGG	(SEQ ID NO:13)
SYN80 F3:	TGCATGAGTCAGGGCCCTGGGTAGGCTGGGACTTCAGTGAAGATATCCTGCAAGGCTTCTGGCTA	(SEQ ID NO:14)
SYN80 F4:	ACTGCAGACACATCCTCCAGCACTGCCTACATGAGCTCAGTAGCCTGACATCTGAGGAC	(SEQ ID NO:15)
SYN80 F5:	GTAGCCTGACATCTGAGGACTCTGCTGTCTATTTCTGTGCAAGATTTTACTACGGTAGTA	(SEQ ID NO:16)
SYN80 F6:	AAGATTTTACTACGGTAGTAGTACTGTGTACTTCGATGTCTGGGGCCCAAGGCACACCGGT	(SEQ ID NO:17)
SYN80 F7:	CGGATCCCTGTCCAGCGGTGTGCACACCTTCCAGGTGTCTGCAATCTGACCTCTACA	(SEQ ID NO:18)
SYN80 F8:	CCTGCAATCTGACCTCTACACTCTGAGCAGCTCAGTGAATGTCCCTCCAGCACCTGGCCAGCGAGACC	(SEQ ID NO:19)
SYN80 F9:	GCACCTGGCCCGAGAGACCGTCACTGCAACGTTGCCACCCGGCTTCTAGCACCAAGTTGACAAGAA	(SEQ ID NO:20)
SYN80 F10:	GCCGACATCGAGCTACCCAGTCTCCAGCAATCATGGCTGCATCTGTGGAGAACTGTCAACATCACAT	(SEQ ID NO:21)
SYN80 F11:	AGAAACTGTCAACATCACATGTGGAGCAAGTGAATATTTACGGTCTTTAAATGGTATCAGCGGAAA	(SEQ ID NO:22)
SYN80 F12:	TAAATTTGGTATCAGCGGAAACAGGGAAATCTCTCAGCTCCTGATCTATGGTGCAACCACTTGGCAGA	(SEQ ID NO:23)
SYN80 F13:	ACCGCTCGAGCTGAAGCGCGTGTGTCACCGACTGTATCCATCTTCCCACCATCCAGTGAGCAGTTAAC	(SEQ ID NO:24)
SYN80 F14:	CCATCCAGTGAGCAGTTAAACATCTGGAGGTGCTCAGTCGTGTCTTCTTGAACAACCTTACCCCAAG	(SEQ ID NO:25)
SYN80 F15:	GAACAACCTTCTACCCCAAGACATCAATGTCAAGTGAAGATTGATGGCAGTGAACGACAAAATGGCGTC	(SEQ ID NO:26)
SYN80 R1:	CAAGAGCTTCAACAGGAATGAGTGTAGTCCGTAGTAGAAGAACTTAGGGTGAAGTTTCATCGGCCGCAAGCTTGGG	(SEQ ID NO:27)
SYN80 R2:	TGAACGACATAACAGCTATACCTGTGAGGCCACTCAAGACATCAACTTCAAGAGCTTCAACAGGAATG	(SEQ ID NO:28)
SYN80 R3:	GACAGCACCTACAGCATGAGCAGCACCTCACGTTGACCAAGGACGAGTATGAACGACATAACAGCTATA	(SEQ ID NO:29)
SYN80 R4:	GTGAACGACAAAATGGCGTCTGAACAGTTGGACTGATCAGGACAGCAAGACAGCACCTACAGCATGAG	(SEQ ID NO:30)
SYN80 R5:	TTACTGTCAAAATGTGTTAAGTACTCTCGGACGTTCCGAGCTGGGACCAAGCTCGAGCGGAAGCTTGGG	(SEQ ID NO:31)
SYN80 R6:	ATCTGGTAGACAGTATCTCTCAAGATCAGTAGCCTGCATCCTGACGATGTTGCAACGTTACTGTCAAAATGTGTTAA	(SEQ ID NO:32)
SYN80 R7:	GGTGCAACCAACTTGGCAGATGGCATGTCAATCGAGGTTCAAGTGGCAGTGGATCTGGTAGACAGTATCTC	(SEQ ID NO:33)
SYN80 R8:	GCACTATTGCACCTGGCACTCTTACCGTTACTGTTTACCCCTGTGACAAAAGCCGACATCGAGCTCACCCCA	(SEQ ID NO:34)
SYN80 R9:	AGAAAACCTTAGGGTGAAGTTCAATCGGCGGTACGGCCATGAACCAAGCACTATTGCATGGCACTC	(SEQ ID NO:35)
SYN80 R10:	AGCACCAAGTTGACAAGAAAATCGTACCGCGGACTGTAAACCGTAGTAAGAAAACCTTAGGGTGAAG	(SEQ ID NO:36)
SYN80 R11:	TGACTCTGGATGCCCTGTCAAGGCTATTTCCCTGAGCCAGTACAGTGAACCTTGGATCCCG	(SEQ ID NO:37)
SYN80 R12:	GTCTGTTTACCCCTCTGGCTCTGGTCTGCGGCTCAGACTAACTCTATGGTGAATCTGGATGCCCTGGTC	(SEQ ID NO:38)
SYN80 R13:	TGGGGCAAGGCACCAACCGTCAACCGTCTCTCAGCAAGAACCACTCTCCGTCTGTTTACCCTCTGGCTC	(SEQ ID NO:39)
SYN80 R14:	GAGGTGGTTATACTAACTACAATGAGAGTTCAAGGGCAAGGCCACACTGACTGCAGACACATCCTCCAG	(SEQ ID NO:40)
SYN80 R15:	AAAGCAGAGGCCCTGGACATGGACTTGAATGGATGAGATATTTACCCTGGAGGTGGTTTACTAATACTAC	(SEQ ID NO:41)
SYN80 R16:	TCCTGCAAGGCTTCTGGCTACACCTTCACTAATACTAGGTTGGGTAAAGCAGAGGCCCTGGACATG	(SEQ ID NO:42)

FIG. 2

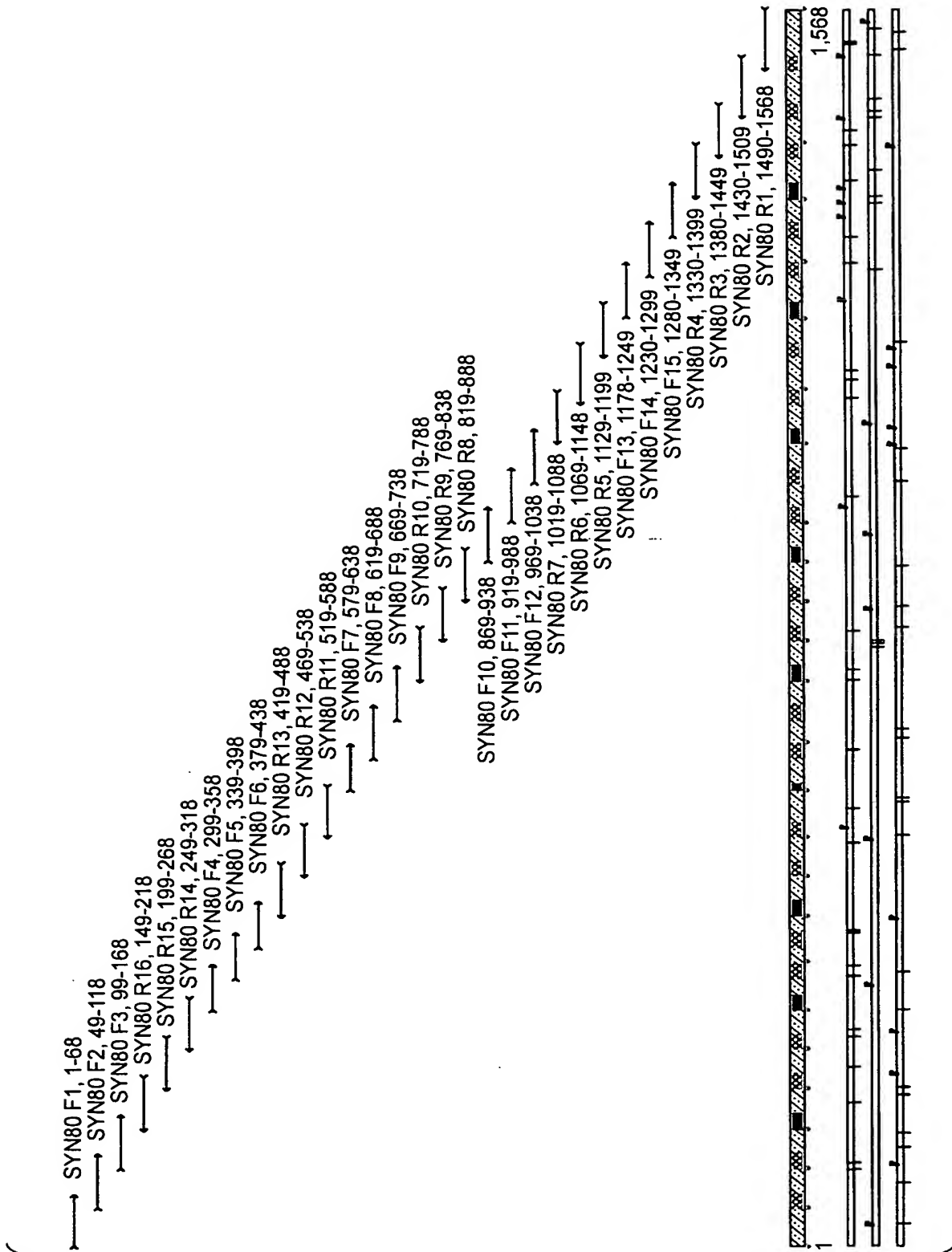
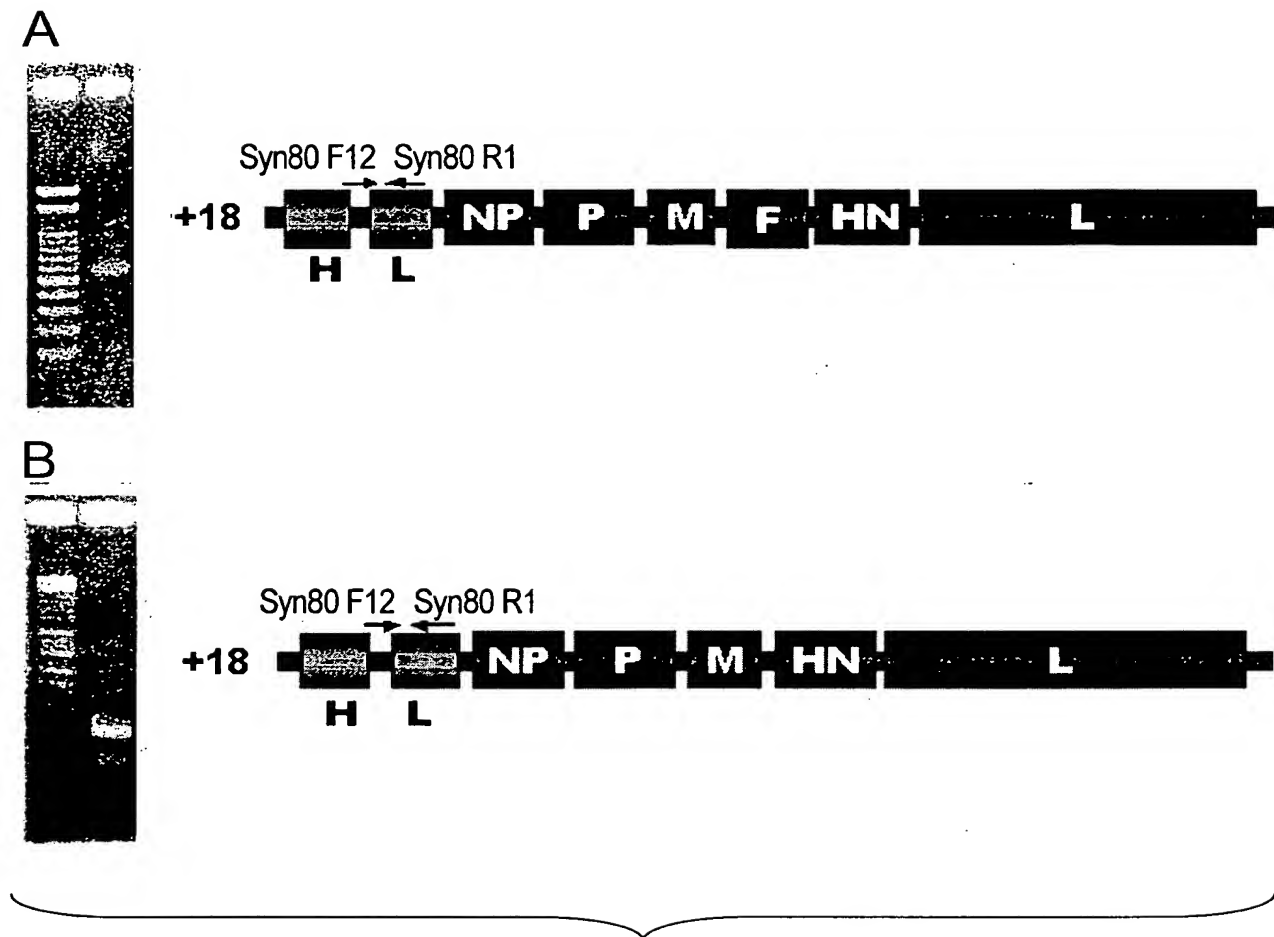


FIG. 3



5/22

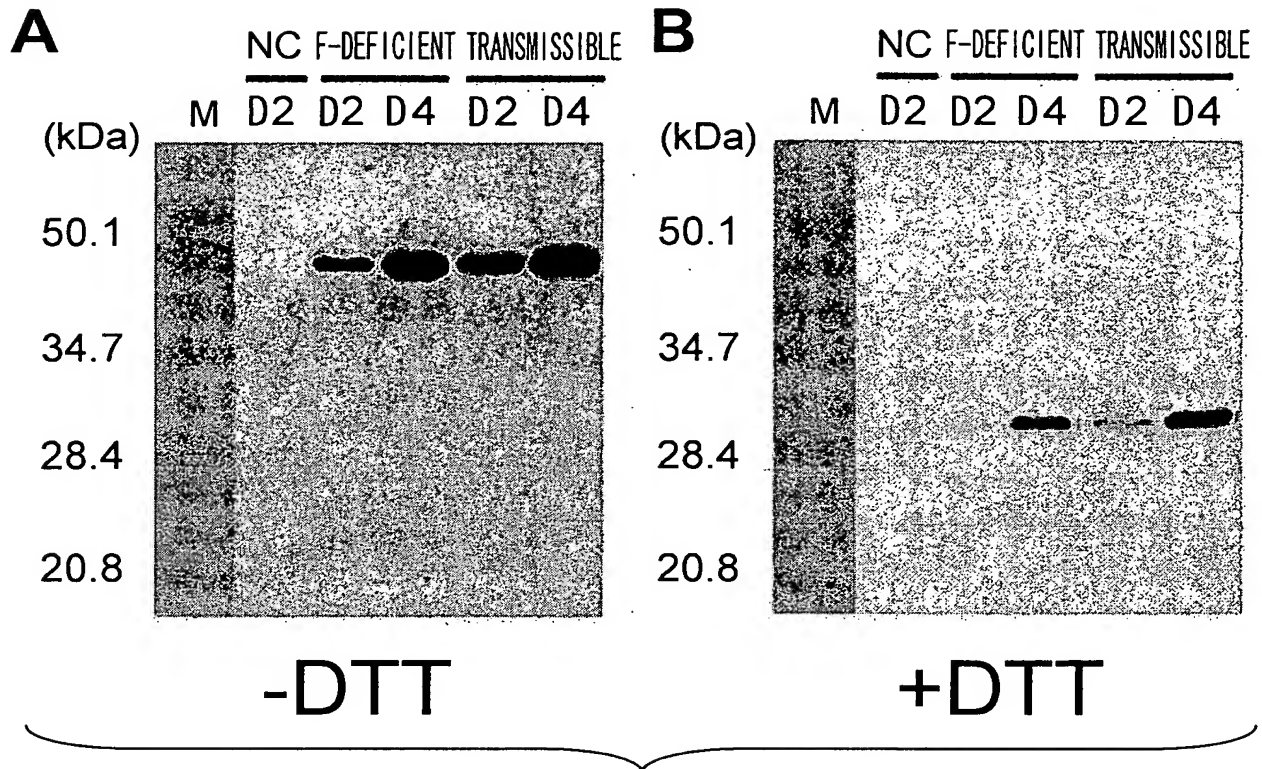
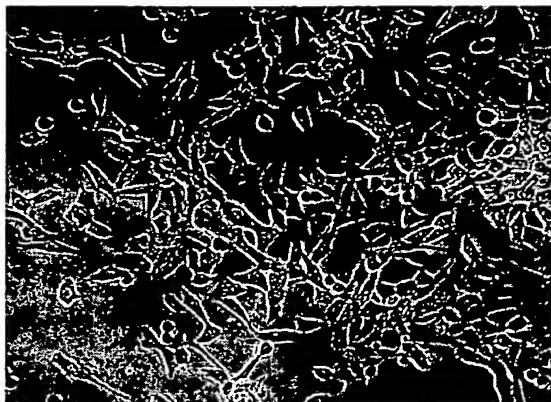


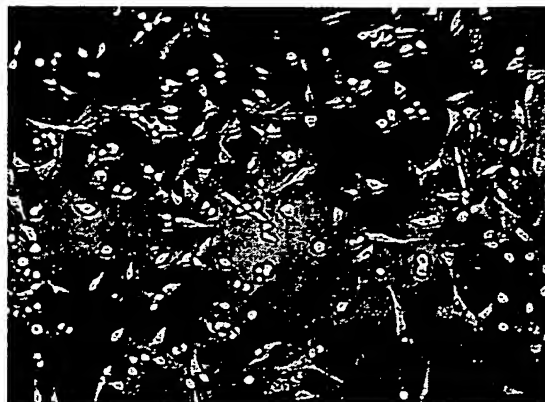
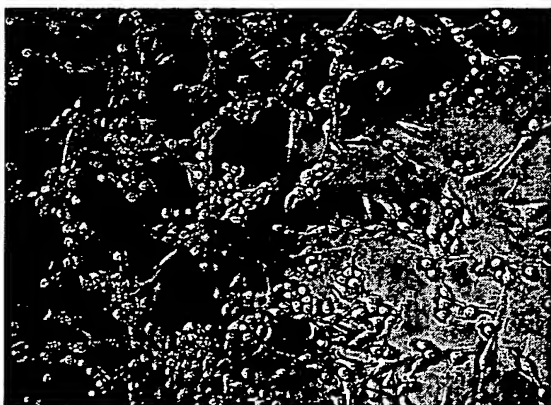
FIG. 5

6/22

(A) — q-pool



(B) + q-pool

(C) + q-pool: SeV<sup>18</sup>+GFP

(D)

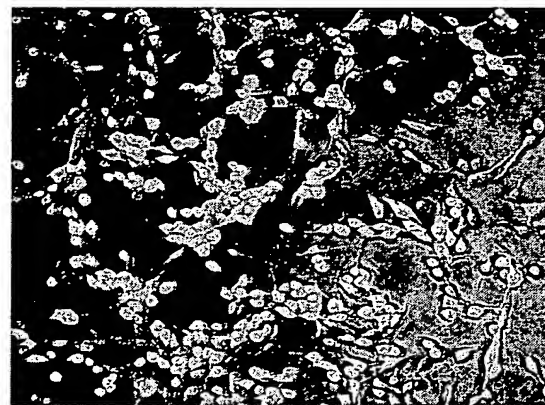
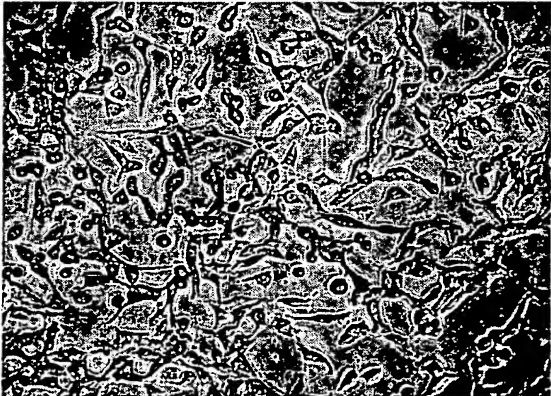
(E) + q-pool: SeV<sup>18</sup>+IN-1

FIG. 6

7/22

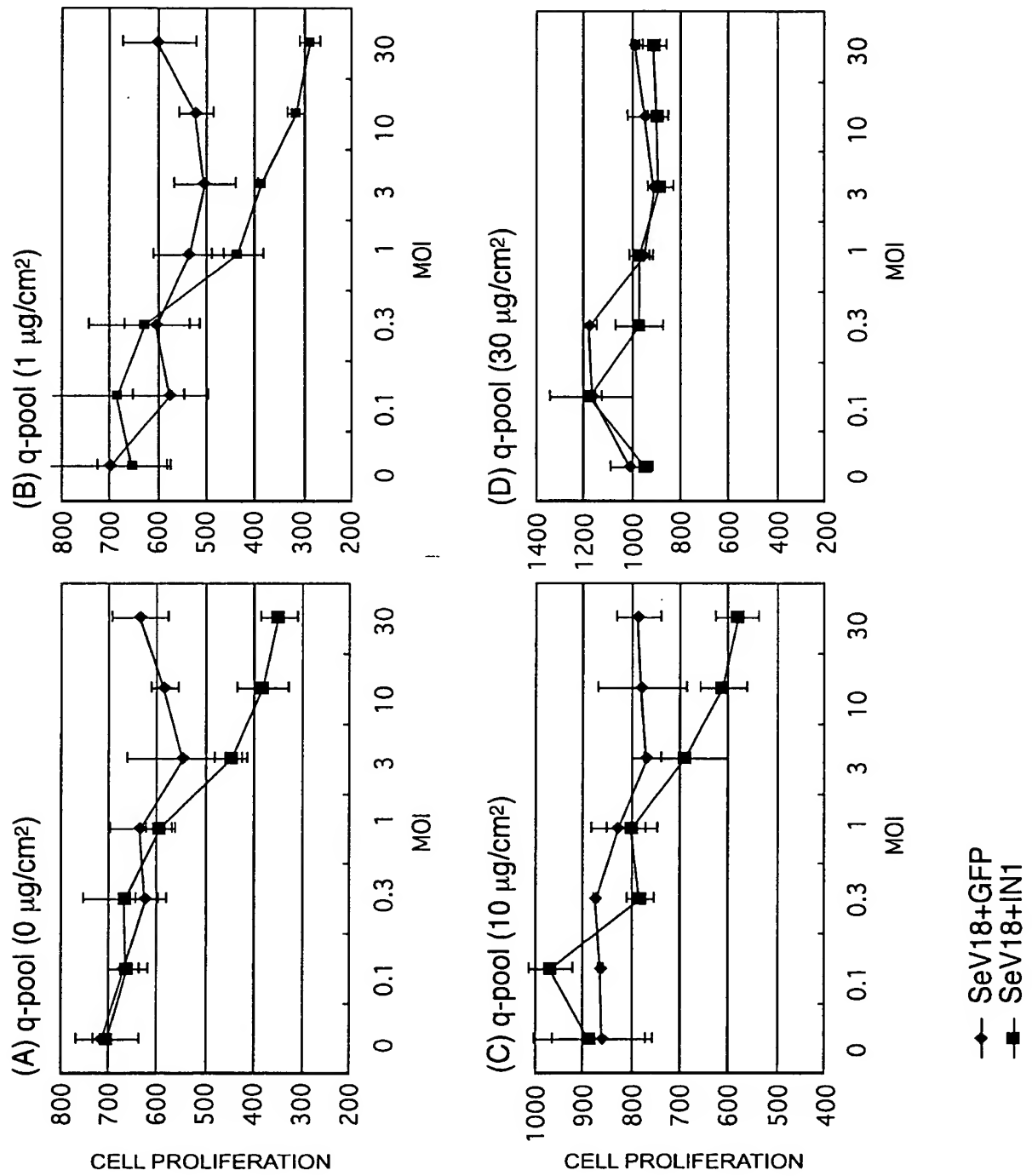
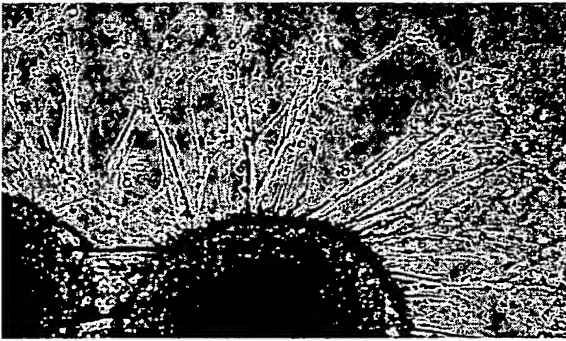
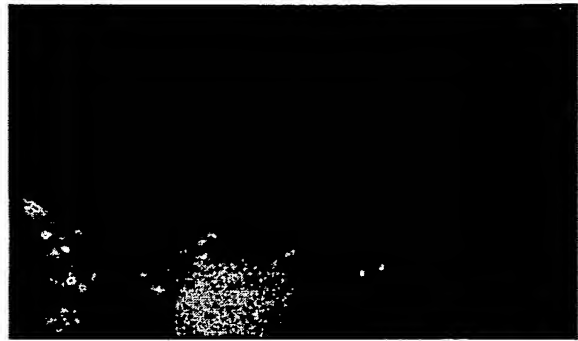
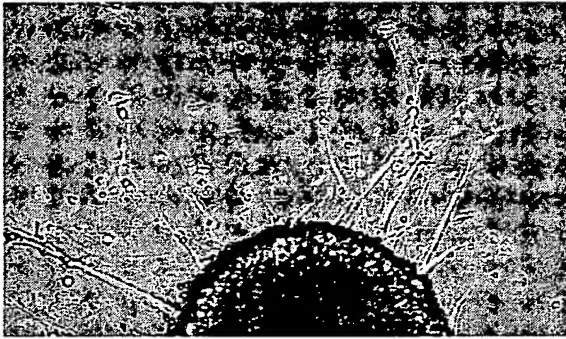


FIG. 7

8/22

(A) - q-pool (SeV<sup>18</sup>+GFP)

(B)

(C) + q-pool (SeV<sup>18</sup>+GFP)

(D)

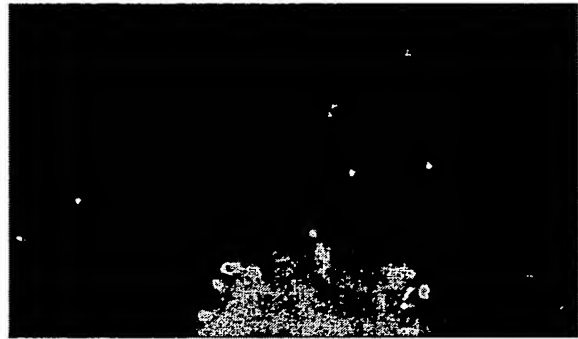
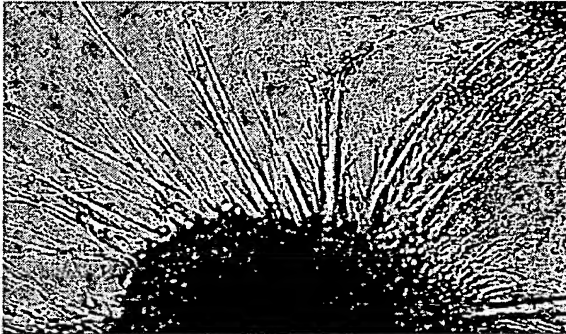
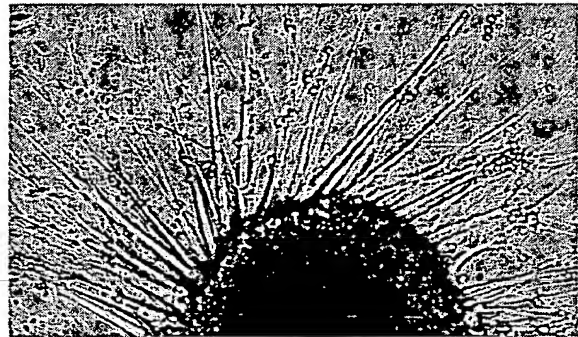
(E) + q-pool (SeV<sup>18</sup>+IN-1) -1(F) + q-pool (SeV<sup>18</sup>+IN-1) -2

FIG. 8



9/22

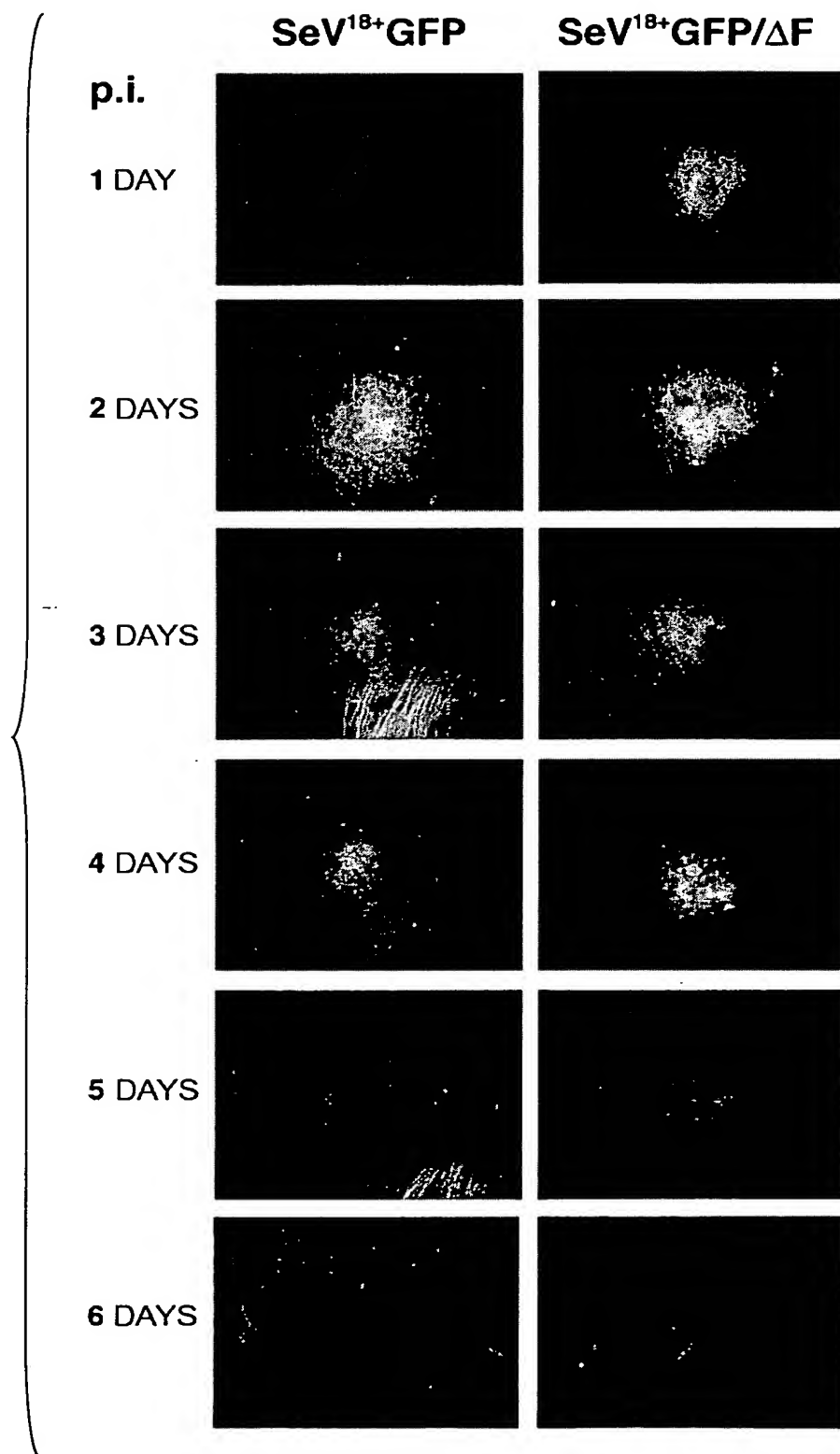


FIG. 9

10/22

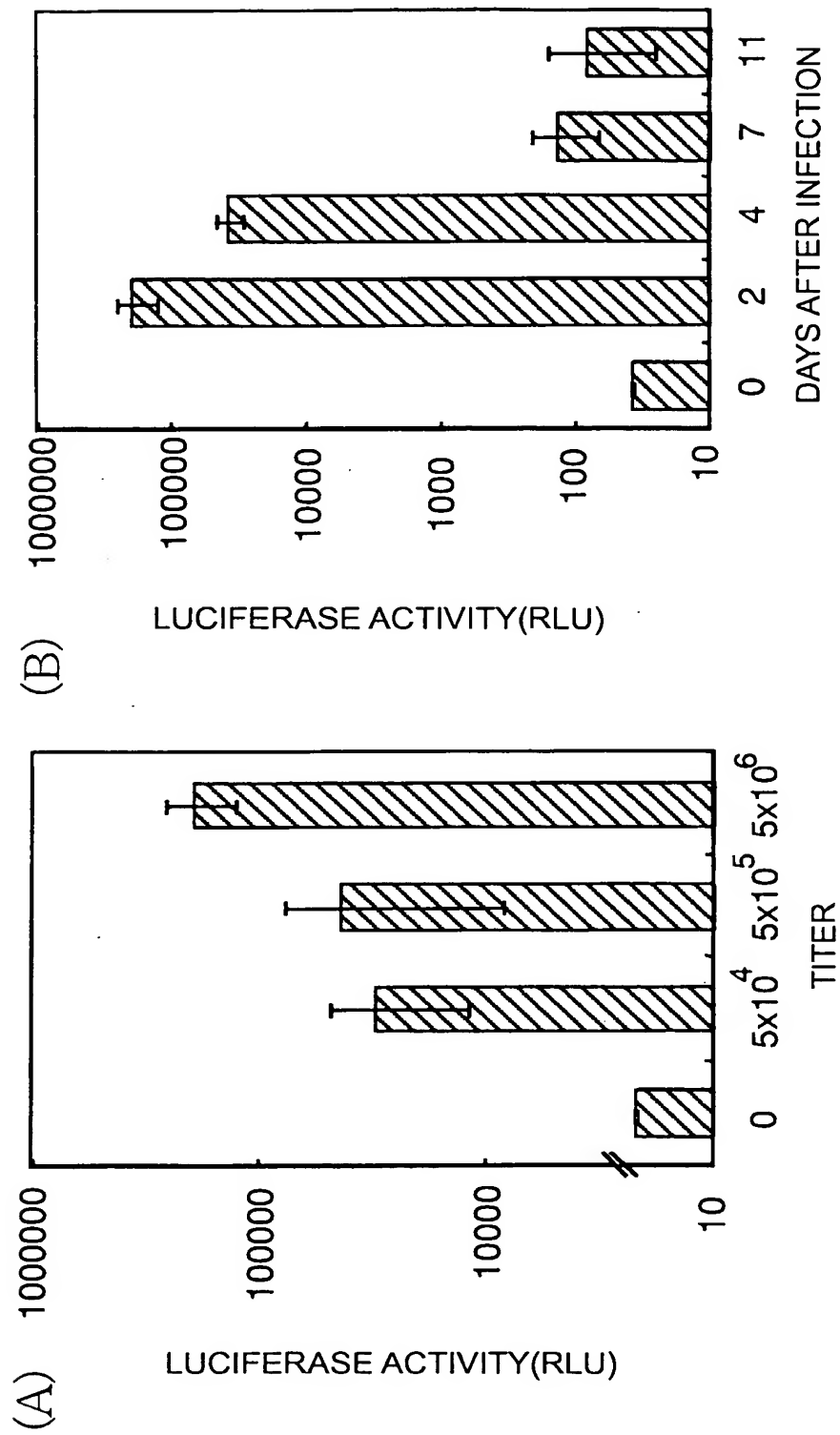


FIG. 10

11/22

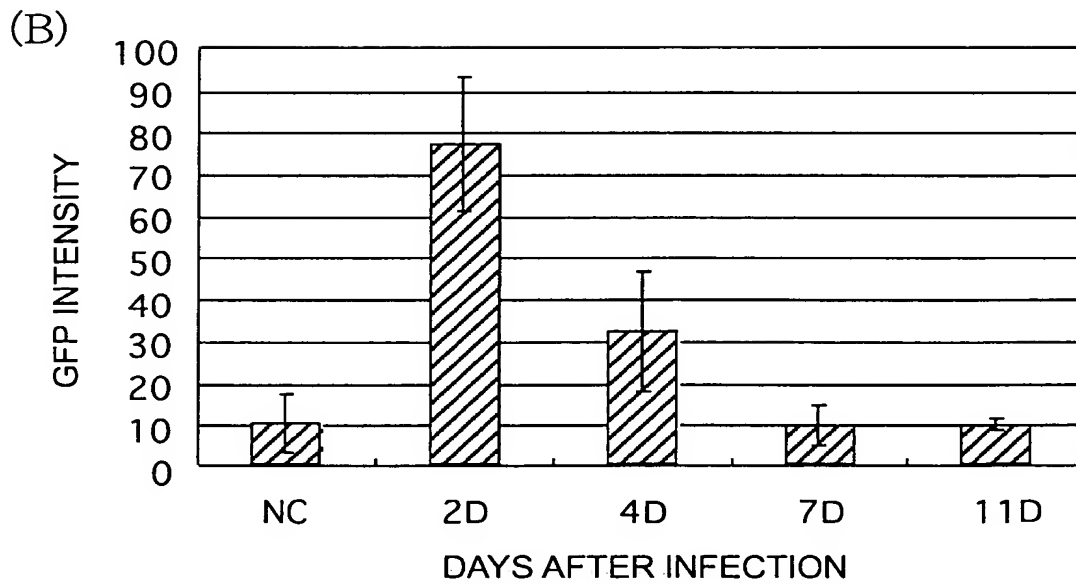
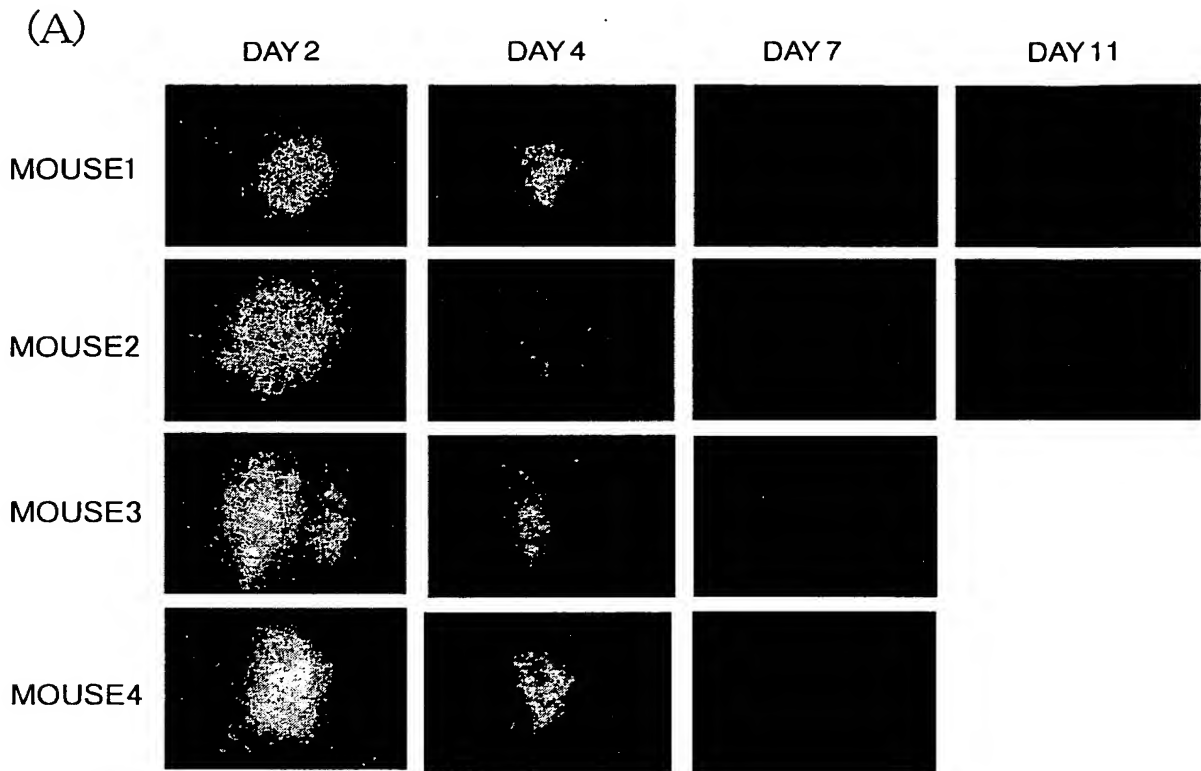


FIG. 11

12/22

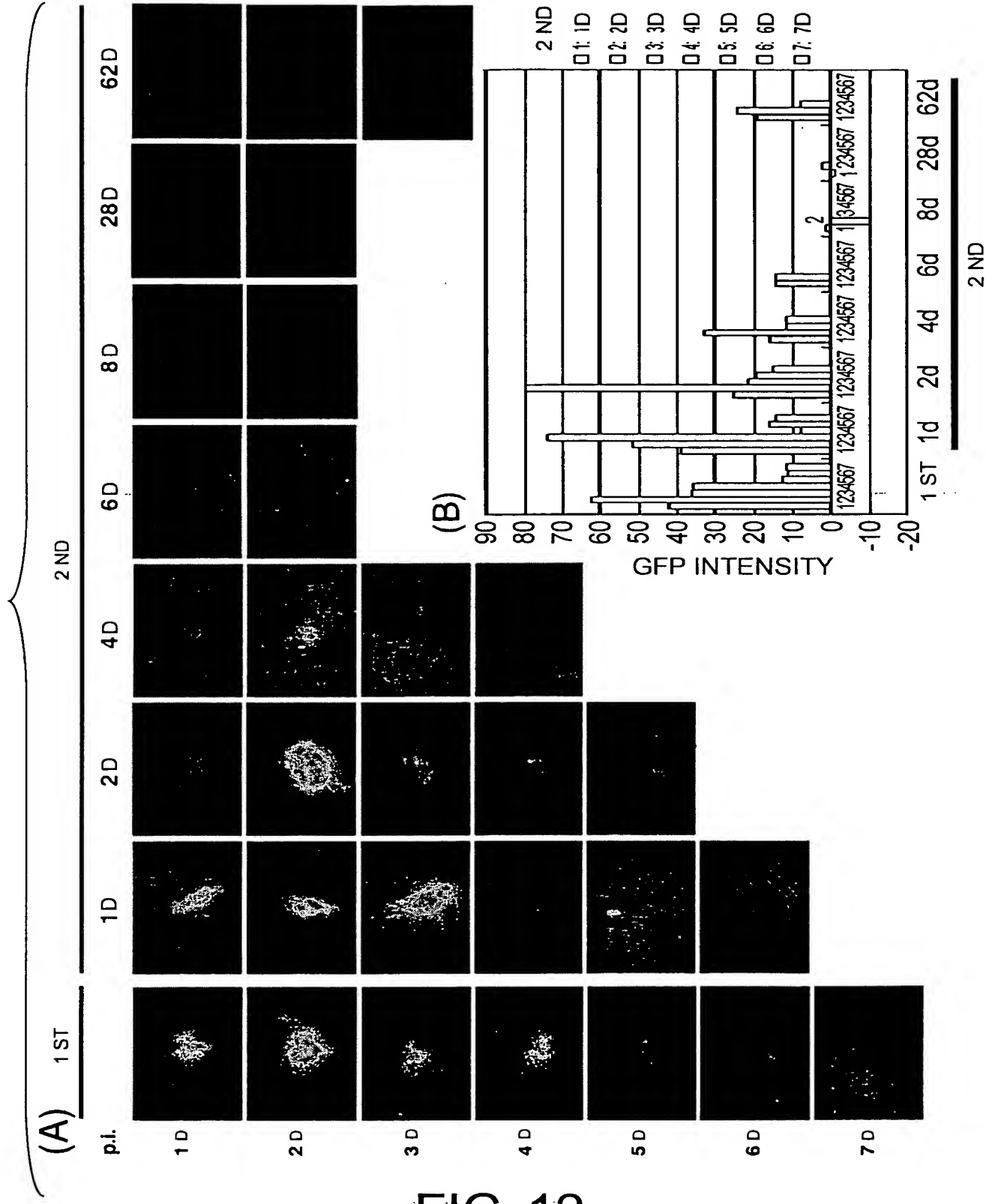


FIG. 12

(A)GFP FLUORESCENCE (B)SUPERIMPOSED (C)ANTI-GFP

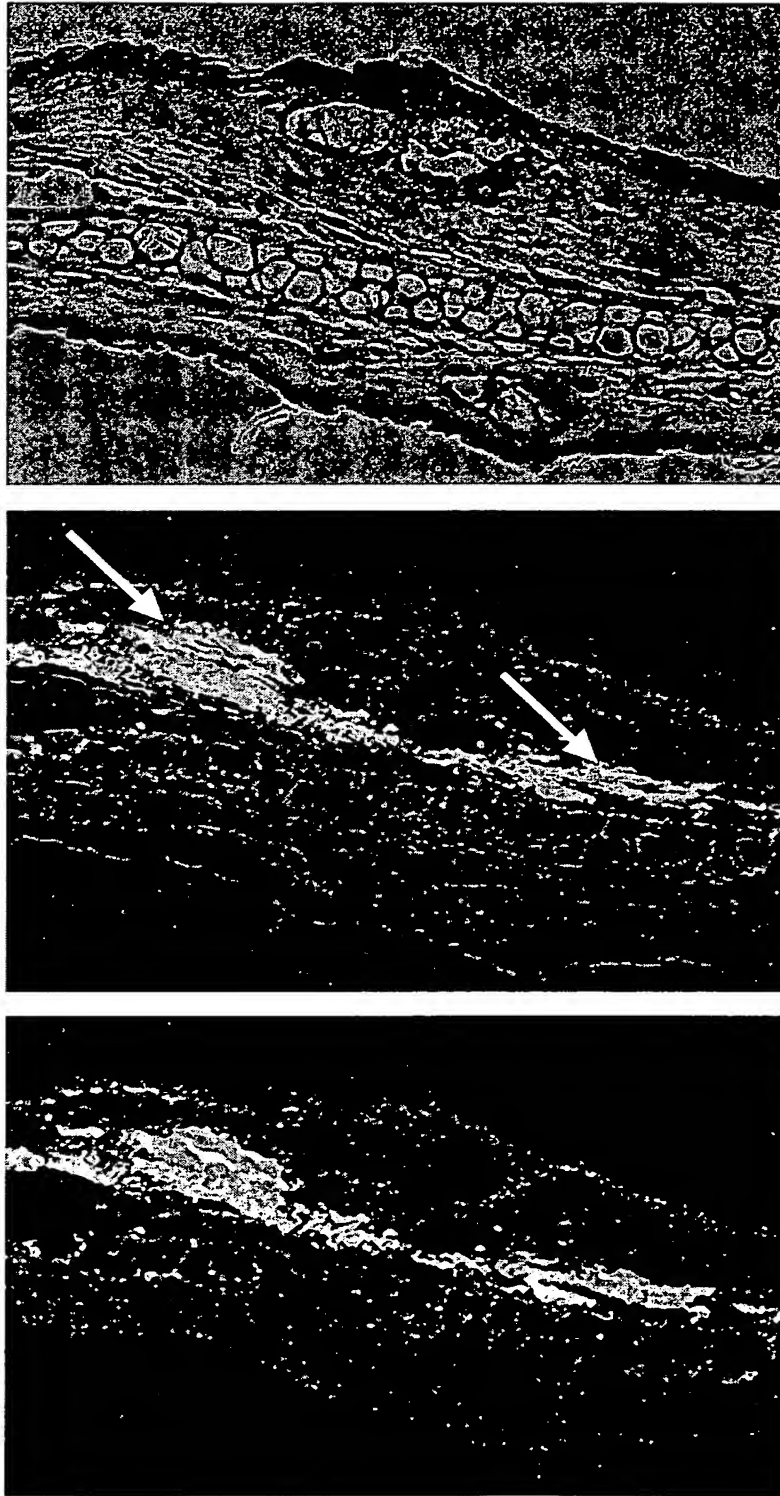


FIG. 13

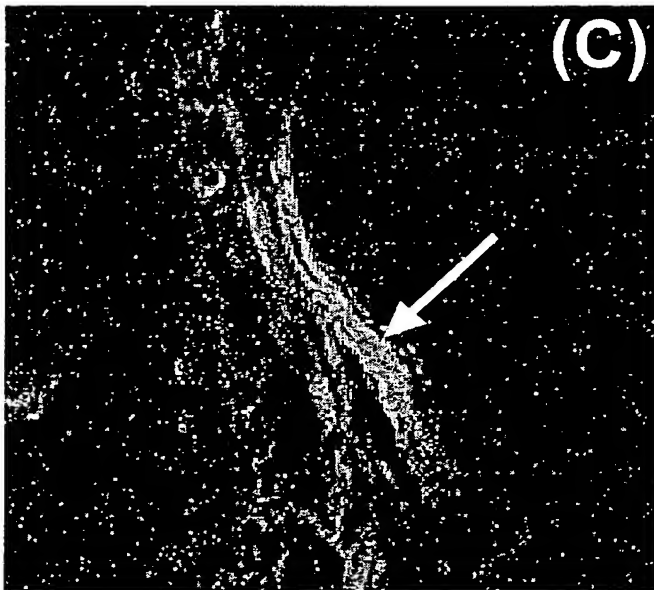
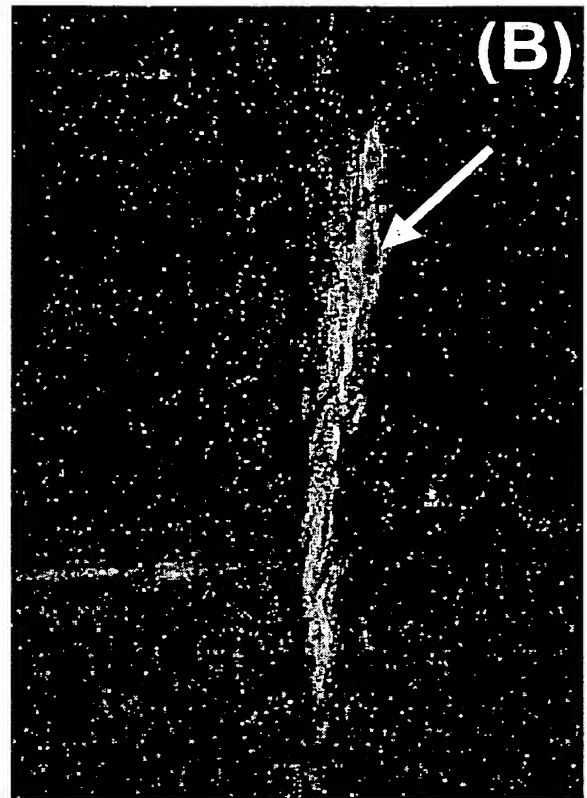
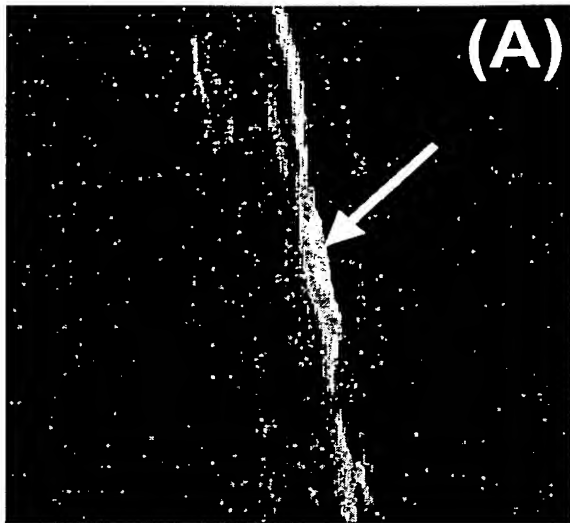
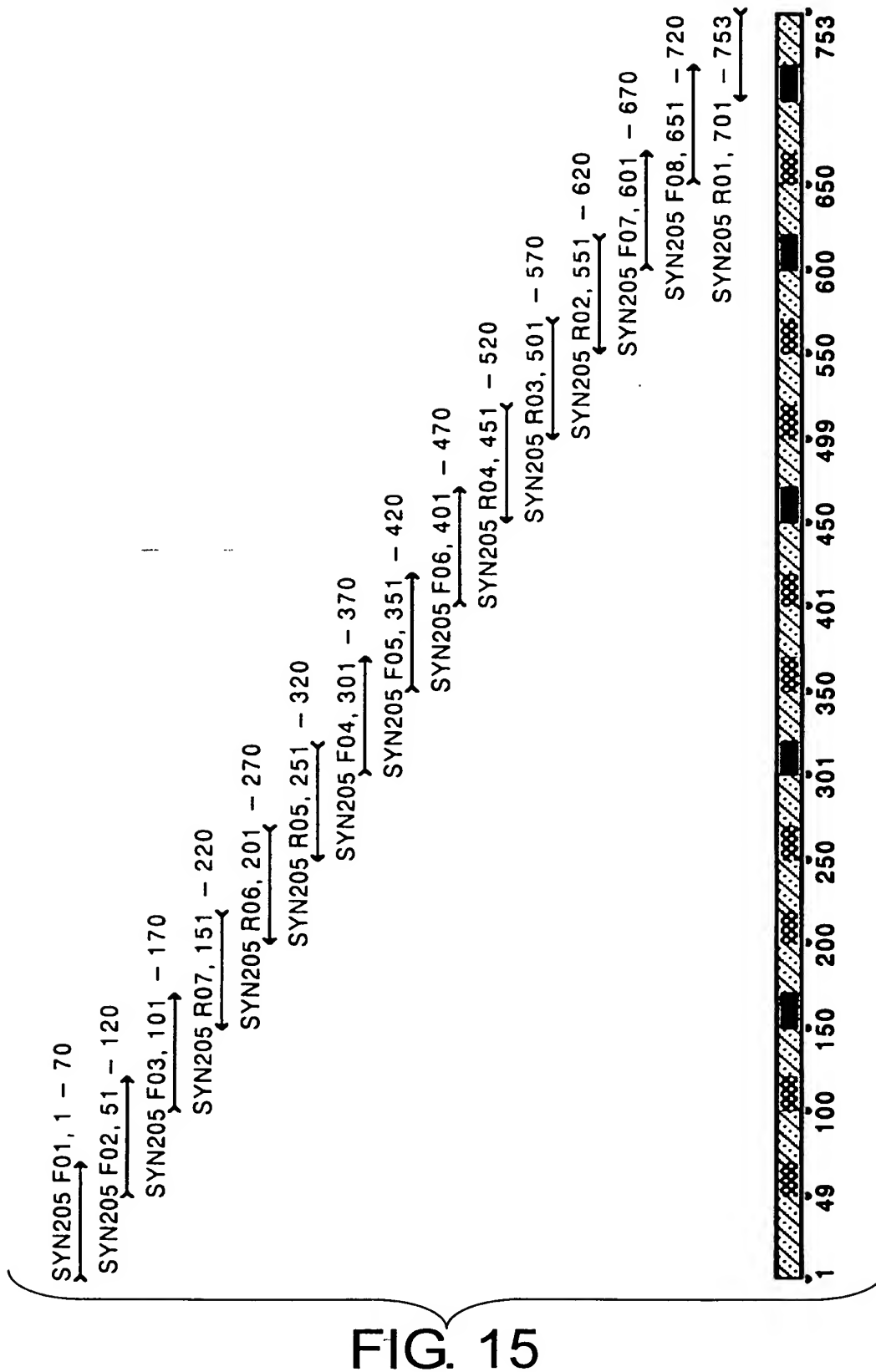


FIG. 14



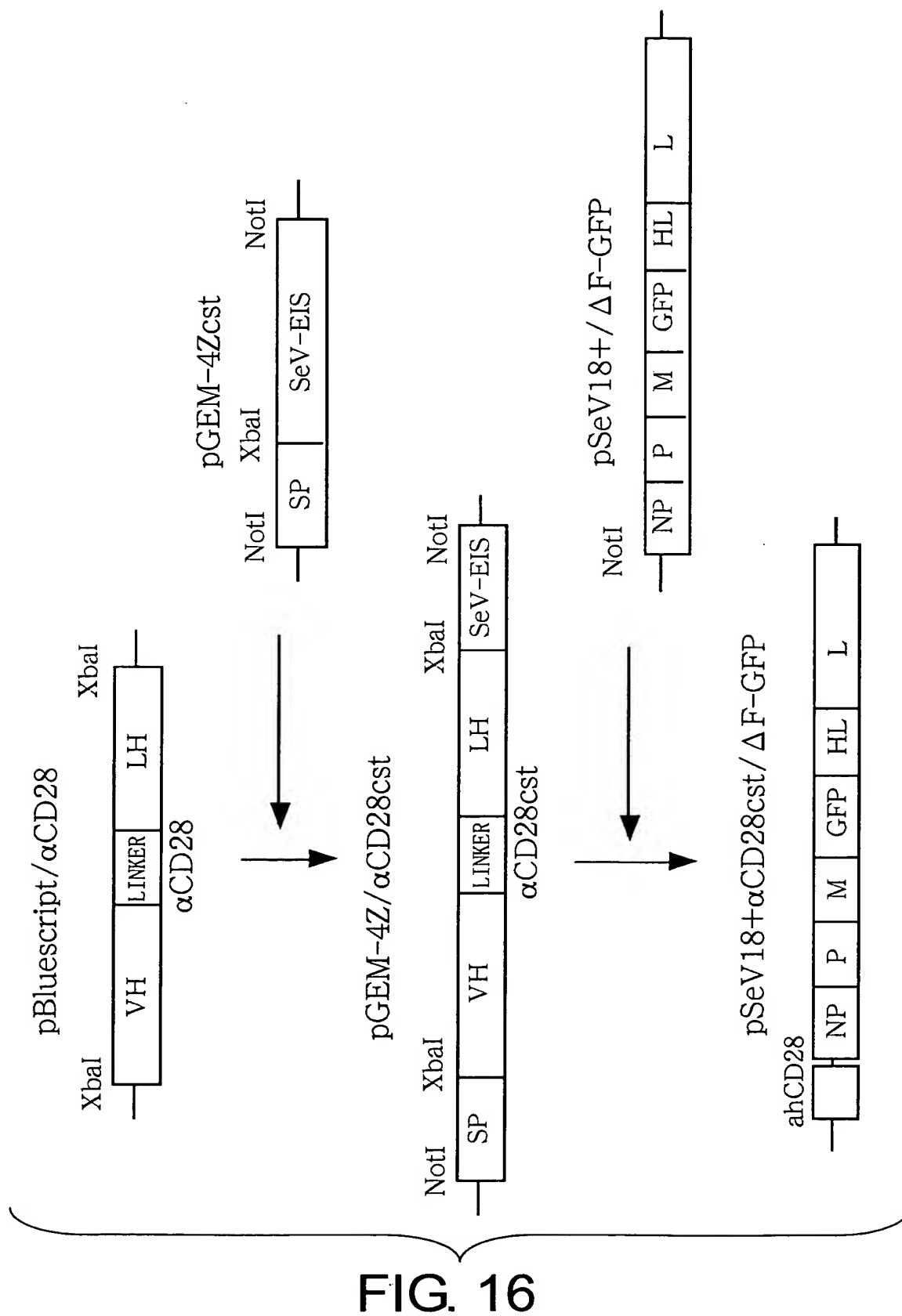
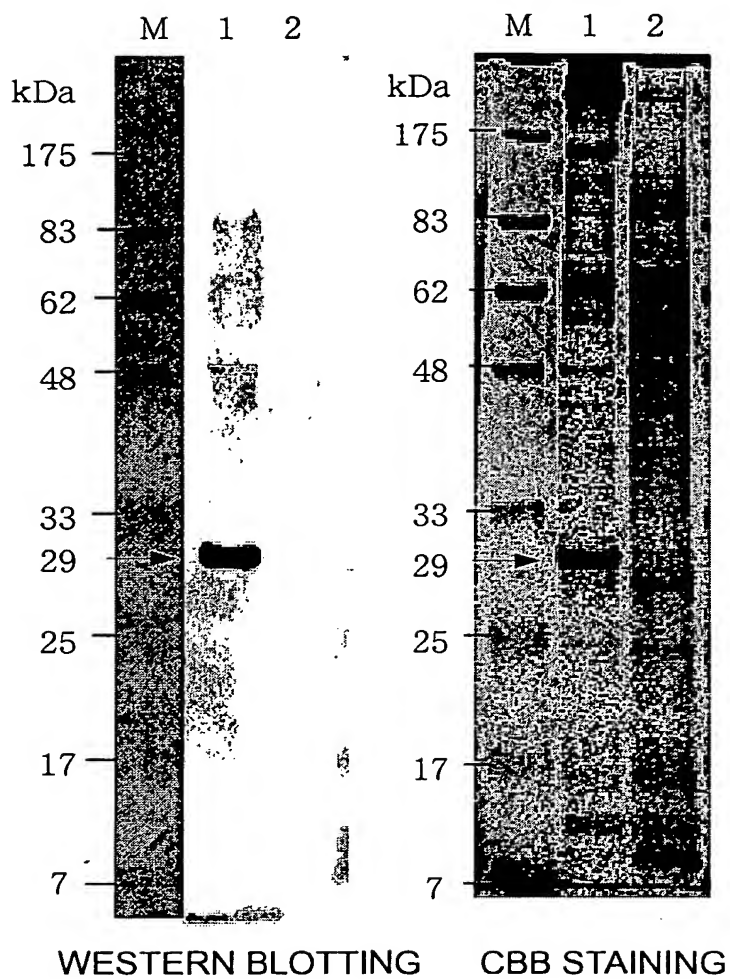






FIG. 17

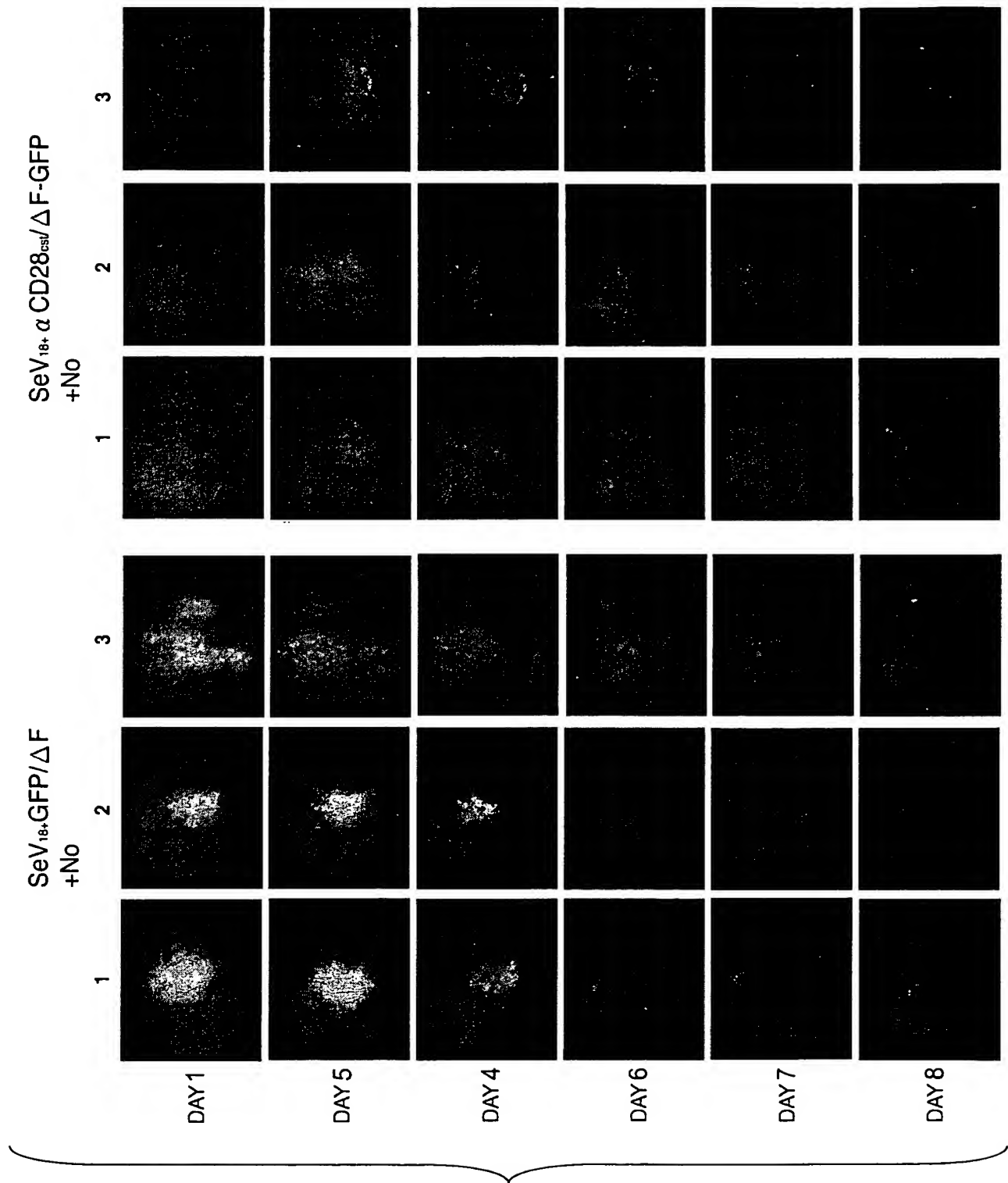


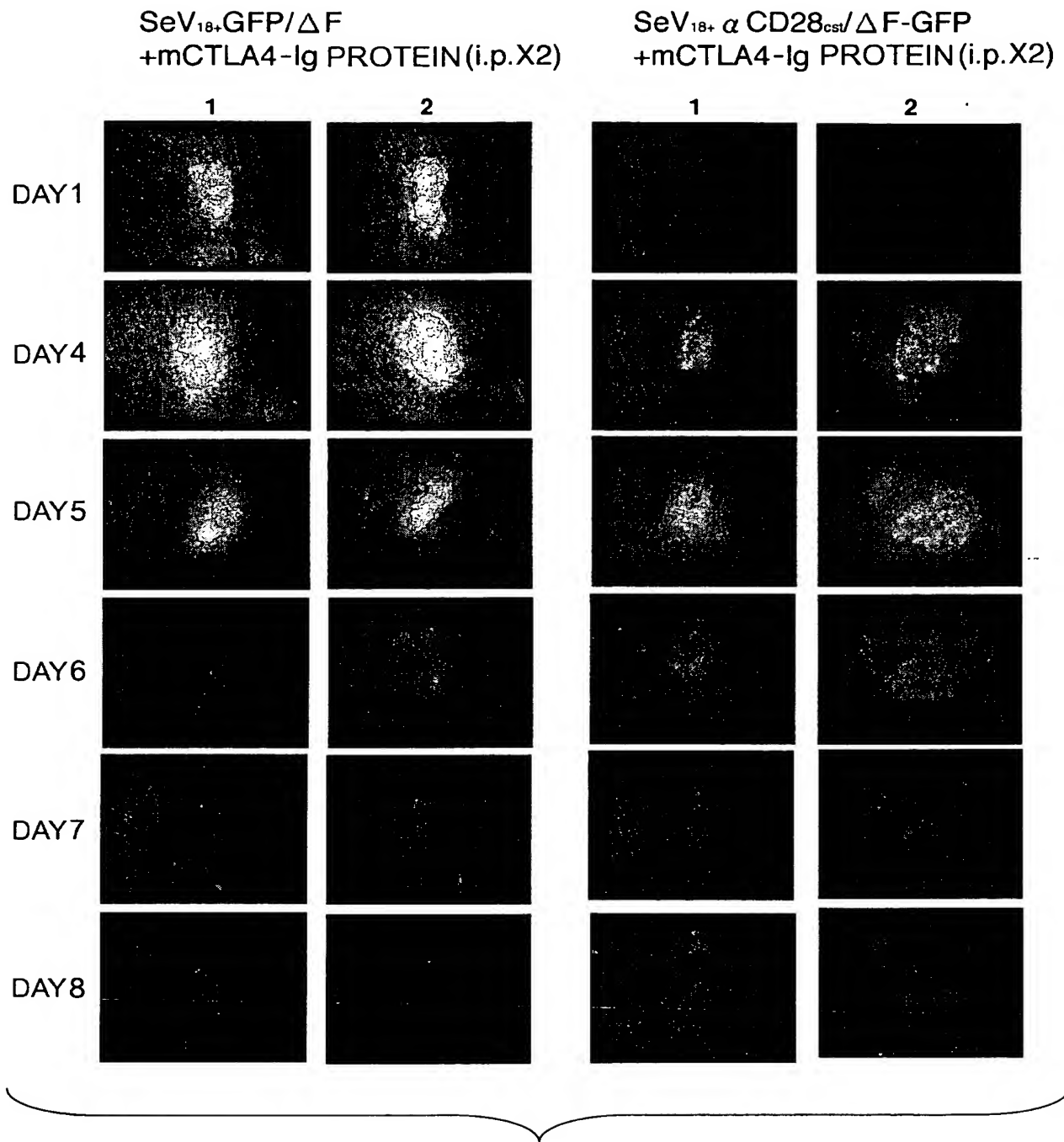
M:PROTEIN MARKER

1: SeV18+  $\alpha$  CD28cst/  $\Delta$  F-GFP CULTURE  
SUPERNATANT

2: SeV/  $\Delta$  F(GFP)CULTURE SUPERNATANT

FIG. 18





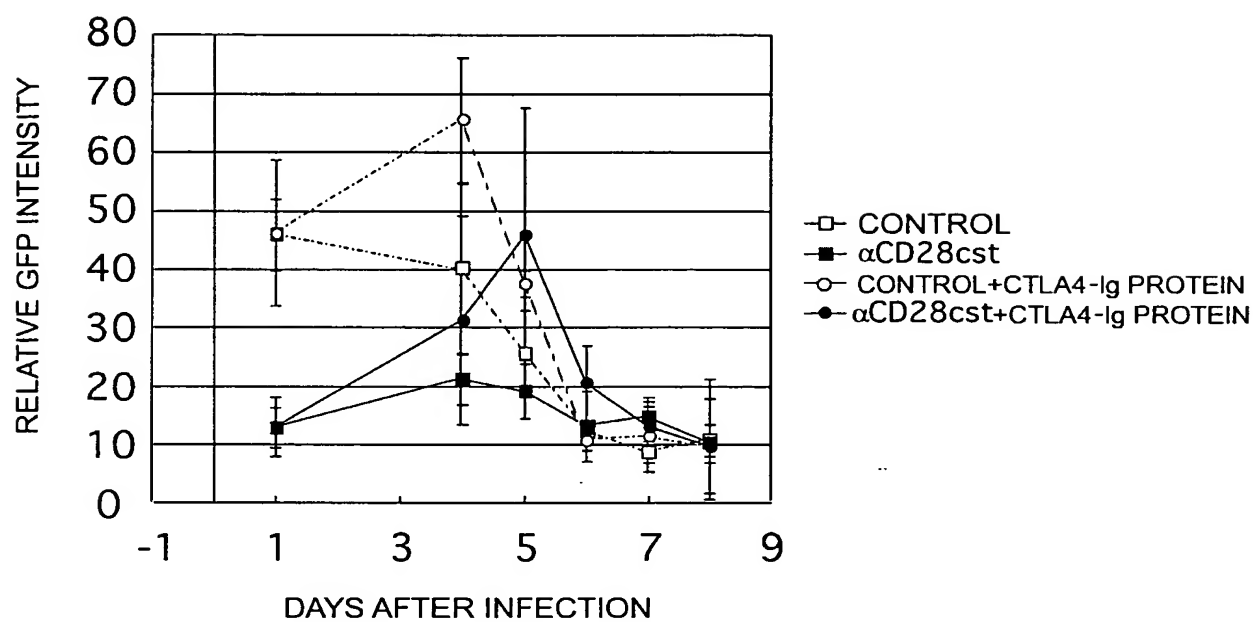


FIG. 21

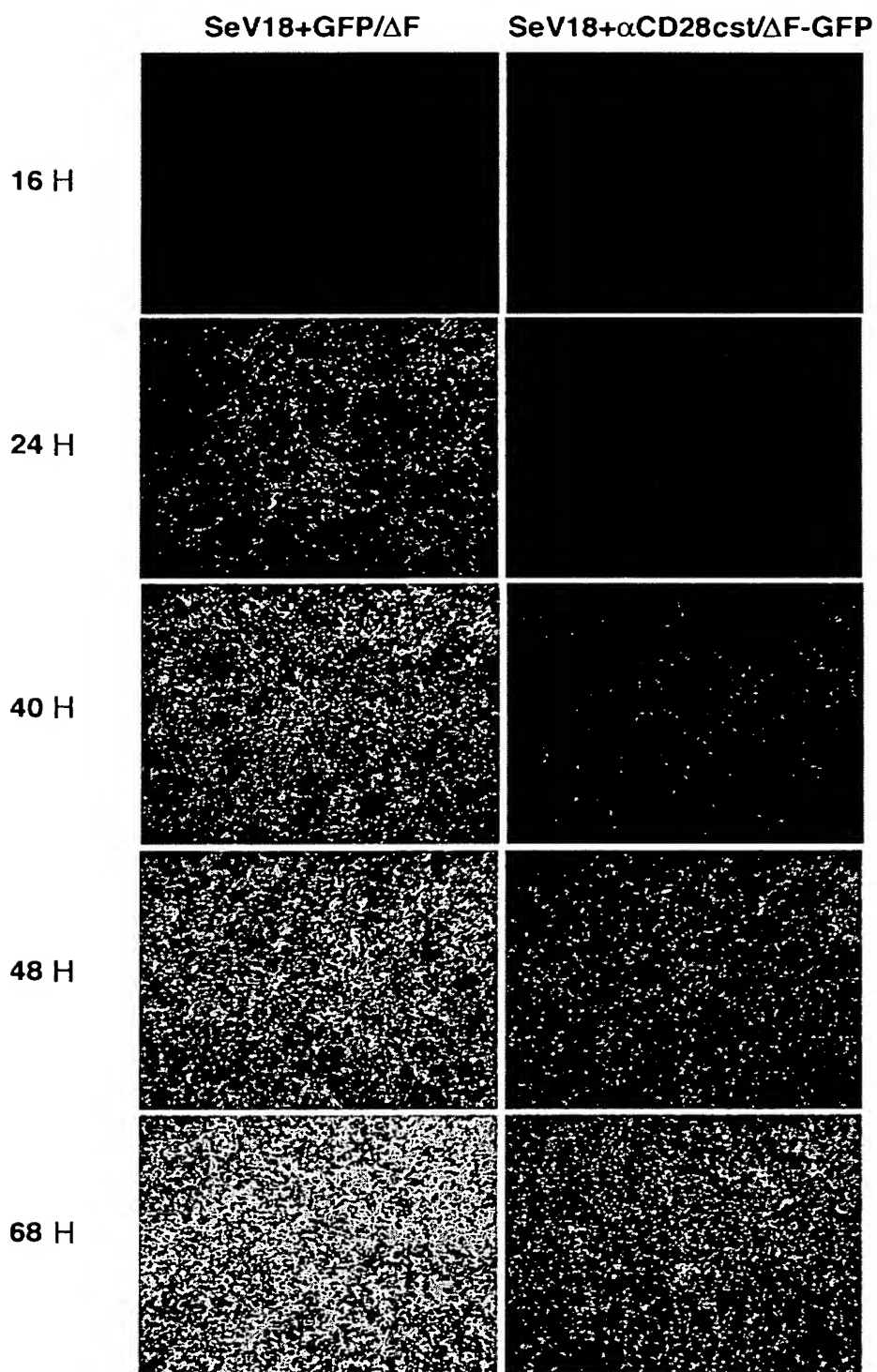


FIG. 22